

IFW

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**EXPRESS ABANDONMENT UNDER
37 CFR 1.138**

Fax directly to the Pre-Grant Publication Division at (703) 305-8568; or
mail to: Mail Stop Express Abandonment
Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Application Number	10/627,939
Filing Date	July 25, 2003
First Named Inventor	Michael Robert Samuels, Et Al.
Art Unit	3742
Examiner Name	Quang T. Van
Attorney Docket Number	AD6900US

Please check only one of boxes 1 or 2 below:

(If no box is checked, this paper will be treated as a request for express abandonment as if box 1 is checked.)

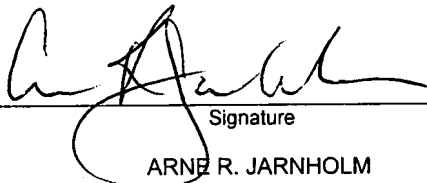
1. ☐ **Express Abandonment**
I request that the above-identified application be expressly abandoned as of the filing date of this paper.
2. ☒ **Express Abandonment in Favor of a Continuing Application**
I request that the above-identified application be expressly abandoned as of the filing date accorded the continuing application filed previously or herewith.

NOTE: A paper requesting express abandonment of an application is not effective unless and until an appropriate USPTO official recognizes and acts on the paper. See the Manual of Patent Examining Procedure (MPEP), section 711.01.

TO AVOID PUBLICATION, USE FORM PTO/SB/24A INSTEAD OF THIS FORM.

TO REQUEST A REFUND OF SEARCH FEE AND EXCESS CLAIMS FEE (IF ELIGIBLE), USE FORM PTO/SB/24B INSTEAD OF THIS FORM.

- I am the: ☐ applicant.
- ☐ assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)
- ☒ attorney or agent of record. Attorney or agent registration number is 30,396
- ☐ attorney or agent acting under 37 CFR 1.34, who is authorized under 37 CFR 1.138(b) because the application is expressly abandoned in favor of a continuing application (box 2 above must be checked). Attorney or agent registration number is _____


Signature

ARNE R. JARNHOLM
Typed or printed name

4-02-07
Date

(302) 992-2394
Telephone Number

Note: Signature of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☐ Total of _____ forms are submitted.

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TO: Fax Sender at 302 992 3257
Fax Information
Date Received: 4/2/2007 11:05:40 AM [Eastern Daylight Time]
Total Pages: 2 (including cover page)

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Received
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Page

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APR 2 2007 11:02AM NO. 6666 P. 1

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11/438516
AD6900USCNT
Express Abandonment

Page 1 of 2

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PAGE 1/2 * RCVD AT 4/2/2007 11:05:40 AM [Eastern Daylight Time] * SVR:USPTO-EF/XRF-3/17 * DUS:273800 * CSID:302 992 3257 * DURATION (mm:ss):01:10



DuPont Electronic Laboratory Notebook

Identification Number : D100052-28.01

Experiment Name : D100052-13

Program Name : Zenite

Project Name:Thermoconductivity for Joel Citron

Document Name : D100052-13 series Thermal Conductive Zenite Joel Citron.pdf

Site Name : EXP ST

Business Unit :Engineering Polymers

Author Name : Mike J. Molitor

Date : 02/26/2007 14:59:57

Co-Author Details :

Witness Name : Adcock, Dave

Date : 02/26/2007 15:03:04

Date (GMT)	Signed by
2/26/2007 07:59:57 PM	Name: Mike J. Molitor
	Pre-Sig Hash: 9b9c723fedbb8ec913753be9ae4abc415c4f0fa1
Justification	By entering your password you verify that you planned and/or executed the work, directed the work, analyzed the result, or drew the conclusions described within this document.

2/26/2007 08:03:05 PM	Name: Adcock, Dave
	Pre-Sig Hash: 4004778267da1f14aed9d10dd217ba30817d5b91
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	Name:
	Pre-Sig Hash:
Justification	

	Name:
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Justification	

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	Pre-Sig Hash:
Justification	

	Name:
	Pre-Sig Hash:
Justification	

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E.I. du Pont de Nemours and Company

Sample # D100052
Zenite 6000
Jetfil Talc 575C
Carbon fiber Sigrafil

13-1 13-2
55
37
8

166

E. I. du Pont de Nemours and Company

DATE 10/1/66

CHARGE CODE E 110149-77

PURPOSE Comp

J.R.N. 2006-206 DATE 10/1/66 TECHNICIAN M. J. 10/1/66

RESEARCHER M. J. 10/1/66

NOTEBOOKING E 110149-77

DIE SIZE 214 ADAPTERS 214-50113-16113

POLYMER ZENITE 6000

INTERLOCKS CHECKED

RUN STARTED/COMPLETED

AUXILIARY EQUIPMENT USED

575C 114 CUTTER 114 FEEDER 575C 114

575C 114 FEEDER 575C 114

SAMPLE #	TIME	SET	PTS	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL
BARREL 2	320	320	320	320	320	320	320	320	320	320
BARREL 3	320	320	320	320	320	320	320	320	320	320
BARREL 4	320	320	320	320	320	320	320	320	320	320
BARREL 5	320	320	320	320	320	320	320	320	320	320
BARREL 6	320	320	320	320	320	320	320	320	320	320
BARREL 7	320	320	320	320	320	320	320	320	320	320
BARREL 8	320	320	320	320	320	320	320	320	320	320
BARREL 9	320	320	320	320	320	320	320	320	320	320
BARREL 10	320	320	320	320	320	320	320	320	320	320
BARREL 11	320	320	320	320	320	320	320	320	320	320
BARREL 12	320	320	320	320	320	320	320	320	320	320
BARREL 13	320	320	320	320	320	320	320	320	320	320
DIE	320	320	320	320	320	320	320	320	320	320
ADAPTER	320	320	320	320	320	320	320	320	320	320
SCREW SPEED	320	320	320	320	320	320	320	320	320	320
TORQUE	320	320	320	320	320	320	320	320	320	320
DIE PRESS	320	320	320	320	320	320	320	320	320	320
VACUUM	320	320	320	320	320	320	320	320	320	320
DCA	320	320	320	320	320	320	320	320	320	320
DCV	320	320	320	320	320	320	320	320	320	320
FEED 1 PPH	320	320	320	320	320	320	320	320	320	320
FEED 2 PPH	320	320	320	320	320	320	320	320	320	320
FEED 3 PPH	320	320	320	320	320	320	320	320	320	320
PUMP GPH	320	320	320	320	320	320	320	320	320	320
RATE (PPH)	320	320	320	320	320	320	320	320	320	320
PANEL MELT	320	320	320	320	320	320	320	320	320	320
HAND MELT	320	320	320	320	320	320	320	320	320	320
CUTTER SPD	320	320	320	320	320	320	320	320	320	320

COMMENTS

EXPERIMENTER Stephen R. Reithell

DATE 10/1/66

DATE 10-31-66

57 m.h. diff.

BOOK PAGE

E. I. du Pont de Nemours and Company

6 02 A INJECTION MOLDING

DATE 10-30-66

E 111563- 36

PURPOSE PHYSICAL TESTING

JR NO. 1275 NB NO. D 100052

DATE 10-30-66

CYLINDER 6 02 A

FOR ANALYSIS

CHARGE/BBU E. I.

RAM SPEED 100

POLYMER TYPE ZENITE

SCREW 6 02 A

SCREW SPEED -

MOLD 1/2" DIA (E-T)

NOZZLE 1/2" DIA

BACK PRESS 100

SAMPLE NO	REAR	CENTER	FRONT	NOZZLE	MOLD TEMP	CYCLE	PRESS	MELT	SURF			
					A B	S I H	BOOST INJ		RM			
13-2	325	332	332	323	100	100	2	15	15	350	235	360



DuPont Electronic Laboratory Notebook

Identification Number : D100008 32.02

Experiment Name : D100008-18

Program Name : Zenite

Project Name:Thermal Conductivity

Document Name : ThermalConductivityofD100052-13-1and13-2.pdf

Site Name : EXP ST

Business Unit :Engineering Polymers

Author Name : Adcock, Dave

Date : 02/26/2007 12:57:03

Co-Author Details :

Witness Name : Harvey, Pat A.

Date : 02/26/2007 13:07:04

Date (GMT)	Signed by
2/26/2007 05:57:03 PM	Name: Adcock, Dave
	File-Sig Hash: D4560662D1915581C4745/B4261360A6956/3794
Justification	By entering your password you verify that you planned and/or executed the work, directed the work, analyzed the result, or drew the conclusions described within this document.

2/26/2007 06:07:04 PM	Name: Harvey, Pat A.
	Pre-Sig Hash: 73b0cadeclbdebf8234bdc64d81ae2e301af81ba
Justification	By entering your password you will be signing to say that you have witnessed the information contained in this document

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	Pre-Sig Hash:
Justification	

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USING TEST FILE : 13-1.tst
DATE : 11/01/06

TEST DESCRIPTION

3100052-13-1

Injection molded disc

SAMPLE ID : 13-1
SAMPLE THICKNESS: 3.030mm

Average sample temperature = 50 C Controller= 30 C

TU (C)	TG (C)	TL (C)	TH (C)	TU-TL (C)	Q	RATIO
50.0	48.2	40.4	30.0	19.64	9472.1	0.211266
60.6	48.0	40.8	29.5	19.75	10096.7	0.195657
60.6	48.1	40.9	29.5	19.73	10107.1	0.195166

Average sample temperature = 75 C Controller= 55 C

TU (C)	TG (C)	TL (C)	TH (C)	TU-TL (C)	Q	RATIO
78.1	65.9	58.4	49.3	19.74	8854.4	0.233231
85.2	72.0	65.6	54.7	19.63	10161.7	0.193207
85.2	72.0	65.6	54.7	19.62	10167.3	0.193013

USING CALIBRATION FILE: ESI04200.cal
USING TEST FILE : 13-1.tst

USING FIRST ORDER FIT

SAMPLE ID : 13-1
SAMPLE THICKNESS : 3.030mm
CTE : 0.000e+000

THE SAMPLE HAS A THERMAL CONDUCTIVITY OF: $3.651347e-001$ W/mK
AND A THERMAL RESISTANCE OF: $8.298308e-003$ m²K/W
AT A TEMPERATURE OF: 50.76 C

0.365 W/mK

THE DELTA T THROUGH THE SAMPLE IS : 19.73 C
THE HEATER TEMPERATURE IS : 29.54 C
THE DELTA T ACROSS THE STACK IS : 31.10 C
THE GUARD TEMPERATURE IS : 48.10 C

THE SAMPLE HAS A THERMAL CONDUCTIVITY OF: $3.702624e-001$ W/mK
AND A THERMAL RESISTANCE OF: $8.183385e-003$ m²K/W
AT A TEMPERATURE OF: 75.40 C

0.370 W/mK

THE DELTA T THROUGH THE SAMPLE IS : 19.62 C
THE HEATER TEMPERATURE IS : 54.66 C
THE DELTA T ACROSS THE STACK IS : 30.55 C
THE GUARD TEMPERATURE IS : 72.02 C



DuPont Electronic Laboratory Notebook

Identification Number : D100008 32.02

Experiment Name : D100008-18

Program Name : Zenite

Project Name: Thermal Conductivity

Document Name : ThermalConductivityofD100052-13-1and13-2.pdf

Site Name : EXP ST

Business Unit :Engineering Polymers

Author Name : Adcock, Dave

Date : 02/26/2007 12:57:03

Co-Author Details :

Witness Name : Harvey, Pat A.

Date : 02/26/2007 13:07:04

Date (GMT)	Signed by
2/26/2007 05:57:03 PM	Name: Adcock, Dave
	File-Sig Hash: Da960462019133610d7e6/b42e136dab956/3792
Justification	By entering your password you verify that you planned and/or executed the work, directed the work, analyzed the result, or drew the conclusions described within this document.

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	Pre-Sig Hash:
Justification	

	Name:
	Pre-Sig Hash:
Justification	

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USING TEST FILE : 13-1.tst
DATE : 11/01/06

TEST DESCRIPTION

3100552-13-1

injection molded disc

SAMPLE ID : 13-1

SAMPLE THICKNESS: 3.030mm

Average sample temperature = 50 C Controller= 30 C

TU (C)	TG (C)	TL (C)	TH (C)	TU-TL (C)	Q	RATIO
60.0	48.2	40.4	30.0	19.64	9472.1	0.211266
60.6	48.0	40.8	29.5	19.75	10096.7	0.195657
60.6	48.1	40.9	29.5	19.73	10107.1	0.195166

Average sample temperature = 75 C Controller= 55 C

TU (C)	TG (C)	TL (C)	TH (C)	TU-TL (C)	Q	RATIO
78.1	65.9	58.4	49.3	19.74	8854.4	0.233231
85.2	72.0	65.6	54.7	19.63	10161.7	0.193207
85.2	72.0	65.6	54.7	19.62	10167.3	0.193013

USING CALIBRATION FILE: ESLO4200.cal
USING TEST FILE : 13-1.tst

USING FIRST ORDER FIT

SAMPLE ID : 13-1
SAMPLE THICKNESS : 3.030mm
CTE : 0.000e+000

THE SAMPLE HAS A THERMAL CONDUCTIVITY OF: 3.651347e-001 W/mK
AND A THERMAL RESISTANCE OF : 8.298308e-003 m2K/W
AT A TEMPERATURE OF : 50.78 C

0.365 W/mK

THE DELTA T THROUGH THE SAMPLE IS : 19.73 C
THE HEATER TEMPERATURE IS : 29.54 C
THE DELTA T ACROSS THE STACK IS : 31.10 C
THE GUARD TEMPERATURE IS : 48.10 C

THE SAMPLE HAS A THERMAL CONDUCTIVITY OF: 3.702624e-001 W/mK
AND A THERMAL RESISTANCE OF : 8.183385e-003 m2K/W
AT A TEMPERATURE OF : 75.40 C

0.370 W/mK

THE DELTA T THROUGH THE SAMPLE IS : 19.62 C
THE HEATER TEMPERATURE IS : 54.66 C
THE DELTA T ACROSS THE STACK IS : 30.55 C
THE GUARD TEMPERATURE IS : 72.02 C

* * * COMMUNICATION RESULT REPORT (APR. 2. 2007 11:01AM) * * *

FAX HEADER 1:
FAX HEADER 2:

TRANSMITTED/STORED : APR. 2. 2007 11:00AM
FILE MODE OPTION

ADDRESS

RESULT

PAGE

6865 MEMORY TX

#917033058568

OK

2/2

REASON FOR ERROR
E-1) HANG UP OR LINE FAIL
E-3) NO ANSWER

E-2) BUSY
E-4) NO FACSIMILE CONNECTION

PTO/SB/97 (09-06)

Approved for use through 03/31/2007, OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

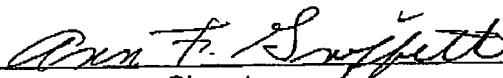
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Signature

Ann F. Griffith

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Express Abandonment

Page 1 of 2

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* * * COMMUNICATION RESULT REPORT (APR. 2. 2007 11:03AM) * * *

FAX HEADER 1:

FAX HEADER 2:

TRANSMITTED/STORED : APR. 2. 2007 11:02AM
FILE MODE OPTION

ADDRESS

RESULT

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6866 MEMORY TX

USPTO

OK

2/2

REASON FOR ERROR

E-1) HANG UP OR LINE FAIL
E-3) NO ANSWERE-2) BUSY
E-4) NO FACSIMILE CONNECTION

PTO/SB/97 (09-08)

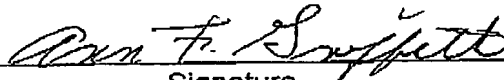
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Program Name : Zenite

Project Name:Thermoconductivity for Joel Citron

Document Name : D100052-13 series Thermal Conductive Zenite Joel Citron.pdf

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2/26/2007 08:03:05 PM	Name: Adcock, Dave Pre-Sig Hash: 4004778267dalf14aed9d10dd217ba30817d5b91
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Justification	

	Name:
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Justification	

	Name:
	Pre-Sig Hash:
Justification	

	Name:
	Pre-Sig Hash:
Justification	

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E.I. du Pont de Nemours and Company

Sample # D100052
Zenite 6000
Jetfil Talc 575C
Carbon fiber Sigrafil

13-1 13-2
55
37
8

666

E. I. du Pont de Nemours and Company

TITLE 30-C DATE 10/1/66 E-110149-77

PURPOSE Comp

J.R.N. 2806-A16 DATE 10/1/66 TECHNICIAN W. J. DUBOIS AREA NOTEBOOK PG
RESEARCHER W. J. DUBOIS NOTEBOOK PG E-110149-77
BARREL 22 SCREW SCREENS
DIE 1" 1/4 SIZE 7/16 ADAPTERS PTSV-300/1-PLA/33
POLYMER Zenite 6000 FEEDER FEEDER CHARGE CODE
INTERLOCKS CHECKED ✓ RUN STARTED/COMPLETED

AUXILIARY EQUIPMENT USED QUENCH TANK CHANGE TO
3000 AIR CUTTER L FEEDER 6500 S
FEEDER 2000/100

SAMPLE #	TIME	SET PTS	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL
BARREL 2	306	306	306	306					
BARREL 3	340	340	340	340					
BARREL 4	340	340	340	340					
BARREL 5	340	340	340	340					
BARREL 6	340	340	340	340					
BARREL 7	340	340	340	340					
BARREL 8	340	340	340	340					
BARREL 9	340	340	340	340					
BARREL 10	340	340	340	340					
BARREL 11									
BARREL 12									
BARREL 13									
DIE	350	350	350	350					
ADAPTER									
SCREW SPEED	1.50	1.50	1.50	1.50					
TORQUE	10-12	10-12	10-12	10-12					
DIE PRESS	20-25	20-25	20-25	20-25					
VACUUM	10	10	10	10					
DCA									
DCV									
FEED 1 PPH	11.0	11.0	11.0	11.0					
FEED 2 PPH	6.0	6.0	6.0	6.0					
FEED 3 PPH									
PUMP GPM									
RATE (PPH)	21.0	21.0	21.0	21.0					
PANEL MELT	350	350	350	350					
HAND MELT									
CUTTER SPD									

COMMENTS

EXPERIMENTER Chas. R. Keith DATE 10/1/66
WITNESSED BY Stephen R. Keith DATE 10-31-66

57 m. h. Diff.

BOOK PAGE E. I. du Pont de Nemours and Company

TITLE 6 OR. A INJECTION MOLDING DATE 10-30-66

E 111563- 36 PURPOSE PHYSICAL TESTING

JR NO. 275 NB NO. D 100052 DATE 10-30-66 CYLINDER 602 A
FOR ANALYSIS CHARGE/BBU E. I. RAM SPEED FAST
POLYMER TYPE ZENITE SCREW G. P. SCREW SPEED -
MOLD 1/4" DIA. (E-7) NOZZLE 1/4" DIA. BACK PRESS MIN

SAMPLE NO.	REAR	CENTER	FRONT	NOZZLE	MOLD TEMP			CYCLE			PRESS. BOOST INJ	MELT	SCHED. RAM
					A	B	C	I	H				
13-2	325	332	332	323	100	100	2	15	15	350	250	360	



DuPont Electronic Laboratory Notebook

Identification Number : D100008 22.02

Experiment Name : D100008-18

Program Name : Zenite

Project Name: Thermal Conductivity

Document Name : ThermalConductivityofD100052-13-1and13-2.pdf

Site Name : EXP ST

Business Unit :Engineering Polymers

Author Name : Adcock, Dave

Date : 02/26/2007 12:57:03

Co-Author Details :

Witness Name : Harvey, Pat A.

Date : 02/26/2007 13:07:04

Date (GMT)	Signed by
2/26/2007 05:57:03 PM	Name: Adcock, Dave Pre-Sig Hash: Da9046201913361Cd9eb/b42e1300a0956/3792
Justification	By entering your password you verify that you planned and/or executed the work, directed the work, analyzed the result, or drew the conclusions described within this document.

2/26/2007 06:07:04 PM	Name: Harvey, Pat A. Pre-Sig Hash: 73b0cadeclbdebf8234bdc64d81ae2e301af81ba
Justification	By entering your password you will be signing to say that you have witnessed the information contained in this document

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	Pre-Sig Hash:
Justification	

	Name:
	Pre-Sig Hash:
Justification	

	Name:
	Pre-Sig Hash:
Justification	

	Name:
	Pre-Sig Hash:
Justification	

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USING TEST FILE : 13-1.tst
DATE : 11/07/06

TEST DESCRIPTION

3100052-13-1

injection molded disc

SAMPLE ID : 13-1
SAMPLE THICKNESS: 3.030mm

Average sample temperature = 50 C Controller= 30 C

TU (C)	TG (C)	TL (C)	TH (C)	TU-TL (C)	Q	RATIO
50.0	48.2	40.4	30.0	19.64	9472.1	0.211266
60.6	48.0	40.8	29.5	19.75	10096.7	0.195657
60.6	48.1	40.9	29.5	19.73	10107.1	0.195166

Average sample temperature = 75 C Controller= 55 C

TU (C)	TG (C)	TL (C)	TH (C)	TU-TL (C)	Q	RATIO
78.1	65.9	58.4	49.3	19.74	8854.4	0.233231
85.2	72.0	65.6	54.7	19.63	10161.7	0.193207
85.2	72.0	65.6	54.7	19.62	10167.3	0.193013

USING CALIBRATION FILE: ESI04200.cal
USING TEST FILE : 13-1.tst

USING FIRST ORDER FIT

SAMPLE ID : 13-1
SAMPLE THICKNESS : 3.030mm
CTE : 0.000e+000

THE SAMPLE HAS A THERMAL CONDUCTIVITY OF: 3.651347e-001 W/mK
AND A THERMAL RESISTANCE OF : 8.296308e-003 m2K/W
AT A TEMPERATURE OF : 50.78 C

0.365 W/mK

THE DELTA T THROUGH THE SAMPLE IS : 19.73 C
THE HEATER TEMPERATURE IS : 29.54 C
THE DELTA T ACROSS THE STACK IS : 31.10 C
THE GUARD TEMPERATURE IS : 48.10 C

THE SAMPLE HAS A THERMAL CONDUCTIVITY OF: 3.702624e-001 W/mK
AND A THERMAL RESISTANCE OF : 8.183385e-003 m2K/W
AT A TEMPERATURE OF : 75.40 C

0.370 W/mK

THE DELTA T THROUGH THE SAMPLE IS : 19.62 C
THE HEATER TEMPERATURE IS : 54.66 C
THE DELTA T ACROSS THE STACK IS : 30.55 C
THE GUARD TEMPERATURE IS : 72.02 C



DuPont Electronic Laboratory Notebook

Identification Number : D100052-28.01

Experiment Name : D100052-13

Program Name : Zenite

Project Name:Thermoconductivity for Joel Citron

Document Name : D100052-13 series Thermal Conductive Zenite Joel Citron.pdf

Site Name : EXP ST

Business Unit :Engineering Polymers

Author Name : Mike J. Molitor

Date : 02/26/2007 14:59:57

Co-Author Details :

Witness Name : Adcock, Dave

Date : 02/26/2007 15:03:04

Date (GMT)	Signed by
2/26/2007 07:59:57 PM	Name: Mike J. Molitor Pre-Sig Hash: 9b9c723fedbb8ec913753be9ae4abc415c4f0fa1
Justification	By entering your password you verify that you planned and/or executed the work, directed the work, analyzed the result, or drew the conclusions described within this document.

2/26/2007 08:03:05 PM	Name: Adcock, Dave Pre-Sig Hash: 4004778267dalf14aed9d10dd217ba30817d5b91
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	Name:
	Pre-Sig Hash:
Justification	

	Name:
	Pre-Sig Hash:
Justification	

	Name:
	Pre-Sig Hash:
Justification	

	Name:
	Pre-Sig Hash:
Justification	

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E.I. du Pont de Nemours and Company

Sample # D100052
Zenite 6000
Jetfil Talc 575C
Carbon fiber Sigräfil

13-1 13-2
55
37
8

Lab

E. I. du Pont de Nemours and Company

TITLE 30-C DATE 10/1/66 E 110149-77

PURPOSE Comp

J.R.N. 2806-210 DATE 10/1/66 TECHNICIAN AREA NOTEBOOKS E-21012-13

RESEARCHER M.J. 2061/66 NOTEBOOK PG E-21012-13

BARREL 20-C SCREW SCREENS

DIE 1" SIZE 7/8" ADAPTERS SPSY-SDWIS-56/33

POLYMER Zenite 6000 CHARGE CODE 259

INTERLOCKS CHECKED ✓ RUN STARTED ✓ COMPLETED ✓

AUXILIARY EQUIPMENT USED QUENCHER TRAIL CHANGE TO 350° AIR CUTTER L FEEDER 4500

SAMPLE #	TIME	SET PTS	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL
BARREL 2	300	312	312						
BARREL 3	340	309	309						
BARREL 4	360	324	323						
BARREL 5	390	309	309						
BARREL 6	390	327	327						
BARREL 7	394	340	338						
BARREL 8	366	347	349						
BARREL 9	360	370	379						
BARREL 10									
BARREL 11									
BARREL 12									
BARREL 13									
DIE	350	377	378						
ADAPTER									
SCREW SPEED	350	350							
TORQUE	10-45	25-40							
DIE PRESS	27-25	20-27							
VACUUM	30	30							
DCA									
DCV									
FEED 1 PPH	4.0	10.0							
FEED 2 PPH	9.0	6.0							
FEED 3 PPH									
PUMP GPH									
RATE (PPH)	21.0	30.0							
PANEL MELT	259	366							
HAND MELT									
CUTTER SPD									

COMMENTS

EXPERIMENTER Chas. Paul DATE 10/1/66

WITNESSED BY Stephen R. Reithell DATE 10-31-66

57 m/h diff.

BOOK PAGE E. I. du Pont de Nemours and Company

TITLE 6 OR. A INJECTION MOLDING DATE 10-30-66

E 111563-36 PURPOSE PHYSICAL TESTING

J.R.N. 275 NB NO. D 100052 DATE 10-30-66 CYLINDER 6 U2 A

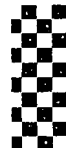
FOR ANALYSIS CHARGE/SBU E-1 RAM SPEED FAST

POLYMER TYPE ZENITE SCREW G.P. SCREW SPEED -

MOLD 6" 0.156" (E-1) NOZZLE 6.792" BACK PRESS 1000

SAMPLE NO.	REAR	CENTER	FRONT	NOZZLE	MOLD TEMP		CYCLE			PRESS. BOOST INJ	MELT	SCREW RAM
					A	B	B	I	H			
13-2	325	332	332	323	100	100	2	15	15	350	250	363

13-2	325	332	332	323	100	100	2	15	15	350	250	360
13-1	325	337	332	320	100	100	2	15	15	350	250	360



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PAGE 1/3 * RCVD AT 4/2/2007 10:58:11 AM [Eastern Daylight Time] * SVR:USPTO-EFAXF-3/1 * DMS:2738300 * CSID:302 992 3257 * DURATION (mm:ss):01:38

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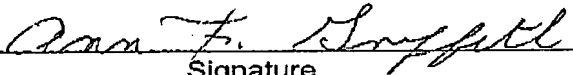
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Effective on 12/08/2004.
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).**FEE TRANSMITTAL**
For FY 2005☐ Applicant claims small entity status. See 37 CFR 1.27TOTAL AMOUNT OF PAYMENT (\$) **130.00****Complete if Known**

Application Number	11/438518
Filing Date	May 22, 2006
First Named Inventor	Michael Robert Samuels, Et Al.
Examiner Name	Quang T. Van
Art Unit	3742
Attorney Docket No.	AD6900USCNT

METHOD OF PAYMENT (check all that apply)
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☒ Deposit Account Deposit Account Number: **04-1928** Deposit Account Name: **E. I. du Pont de Nemours and Company**

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

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FEE CALCULATION**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	<input type="checkbox"/> 300	<input type="checkbox"/> 150	<input type="checkbox"/> 500	<input type="checkbox"/> 250	<input type="checkbox"/> 200	<input type="checkbox"/> 100	0.00
Design	<input type="checkbox"/> 200	<input type="checkbox"/> 100	<input type="checkbox"/> 100	<input type="checkbox"/> 50	<input type="checkbox"/> 130	<input type="checkbox"/> 65	0.00
Plant	<input type="checkbox"/> 200	<input type="checkbox"/> 100	<input type="checkbox"/> 300	<input type="checkbox"/> 150	<input type="checkbox"/> 160	<input type="checkbox"/> 80	0.00
Reissue	<input type="checkbox"/> 300	<input type="checkbox"/> 150	<input type="checkbox"/> 500	<input type="checkbox"/> 250	<input type="checkbox"/> 600	<input type="checkbox"/> 300	0.00
Provisional	<input type="checkbox"/> 200	<input type="checkbox"/> 100	<input type="checkbox"/> 0	<input type="checkbox"/> 0	<input type="checkbox"/> 0	<input type="checkbox"/> 0	0.00

2. EXCESS CLAIM FEES**Fee Description**

Each claim over 20 (including Reissues)

Fee (\$)	Small Entity Fee (\$)
50	25
200	100
360	180

Each independent claim over 3 (including Reissues)

Multiple dependent claims

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
- 20 or HP =	x	50.00	=

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
- 3 or HP =	x	200.00	=

HP = highest number of independent claims paid for, if greater than 3.

Multiple Dependent Claims	
Fee (\$)	Fee Paid (\$)
YES <input type="checkbox"/> 360.00	

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 =	/ 50 =	(round up to a whole number) x	250.00	=

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Terminal Disclaimer

Fees Paid (\$)
130.00

SUBMITTED BY

Signature

Registration No. 30,396
(Attorney/Agent)

Telephone (302) 992-2394

Name (Print/Type)

Arne R. Jarnholm

Date 4-02-07

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